

Active Recombinant Human FGFR4 Protein, GST/His-tagged

Cat. No. FGFR4-4141H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human FGFR4 (NM_002011, 391 a.a. - 802 a.a.) partial recombinant protein with GST-His tag expressed in Sf9 cells.
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Species	Human
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Source	Insect Cells
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ProteinLength	391-802 a.a.
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Description	The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3. This particular family member preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis. [provided by RefSeq
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Form	Liquid
Bio-activity	47 pmol/μg x min
Molecular Mass	75.726 kDa
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Concentration	0.245 μg/μL
Storage Buffer	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 15 mM reduced glutathione, 20% glycerol)

GENE INFORMATION

Gene Name	FGFR4 fibroblast growth factor receptor 4 [Homo sapiens]
Official Symbol	FGFR4
Synonyms	FGFR4; fibroblast growth factor receptor 4; CD334; JTK2; FGFR-4; tyrosylprotein kinase; protein-tyrosine kinase; hydroxyaryl-protein kinase; tyrosine kinase related to fibroblast growth factor receptor; TKF; MGC20292;
Gene ID	2264
mRNA Refseq	NM_002011
Protein Refseq	NP_002002

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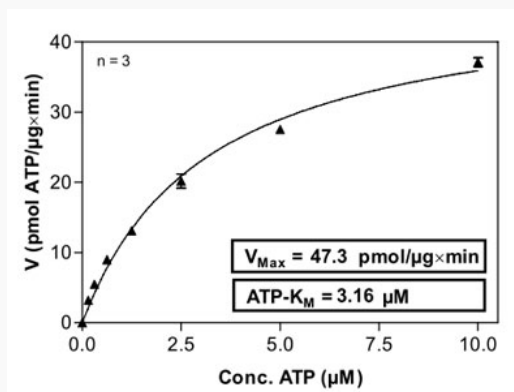
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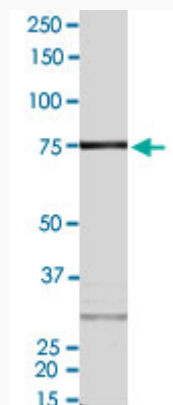
MIM 134935

UniProt ID P22455

Result of activity analysis



Quality Control Testing



2 μg/lane SDS-PAGE Stained with Coomassie Blue

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